

20030921.qrp v03_n050.qrl.20030921

Date: Sun, 21 Sep 2003 19:03:08 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3050

QRP-L Digest 3050

Topics covered in this issue include:

- 1) [158098] QRP Afield the story in pictures....
by "Rod NØRC" <rod@nØrc.us>
- 2) [158099] AT in PA Sunday
by "Ron Polityka" <wb3aal@verizon.net>
- 3) [158100] SELL OR TRADE CENTURY 22
by "George Osier" <gosier@twcny.rr.com>
- 4) [158101] Norcal 49er Stuff SOLD
by "Alan Fryer" <N3BJ@hotmail.com>
- 5) [158102] Alaska is going nuts - Props and weather
by Jim Larsen <JimLarsen2002@alaska.net>
- 6) [158103] Re: QRP Afield the story in pictures....
by "John Sielke" <jsielke@pobox.com>
- 7) [158104] QRP AFIELD
by Steven Weber <kd1jv@moose.ncia.net>
- 8) [158105] Re: [Re: Antenna restrictions]
by "Laurent C. Lafond" <aa1qj@earthlink.net>
- 9) [158106] Re: WTB: Small magnetic loop
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
- 10) [158107] FS FT-817 PAcKage
by "Rod NØRC" <rod@nØrc.us>
- 11) [158108] [Parts]: MPSA42/92
by "Brad Hernlem" <alihernlem@hotmail.com>
- 12) [158109] Re: Logbook of the World
by Alex <kr1st@amsat.org>
- 13) [158110] QRP Afield: NØTU and NKØE tag-team
by "Dave Ek" <ekdave@earthlink.net>
- 14) [158111] Re: Logbook of the World
by Alex <kr1st@amsat.org>
- 15) [158112] Re: Logbook of the World
by Alex <kr1st@amsat.org>
- 16) [158113] QRP Afield W1PID
by Jim Cluett <w1pid@yahoo.com>
- 17) [158114] Re: ZIFF sockets
by "Mike Czuhajewski" <wa8mcq@comcast.net>
- 18) [158115] Re: Logbook of the World
by John Sielke <jsielke@pobox.com>
- 19) [158116] Re: Logbook of the World

- by Thom LaCosta <baltimoremd@baltimoremd.com>
- 20) [158117] "QRP Afield Feeds Flying Blood Suckers"
by "sslyon" <sslyon@megalink.net>
- 21) [158118] Re: Logbook of the World
by "Dennis Ponsness" <wb0wao@hotmail.com>
- 22) [158119] Re: Logbook of the World
by "Bill Rowlett" <kc4atu@hotmail.com>
- 23) [158120] QRP Afield Pictures
by John Sielke <jsielke@pobox.com>
- 24) [158121] Polarized Power Connector
by Jack e wigal <kr8z1@juno.com>
- 25) [158122] Re: Polarized Power Connector
by "Rod N0RC" <rod@n0rc.us>
- 26) [158123] Re: QRP Afield Pictures
by "John J. McDonough" <wb8rcr@arrl.net>
- 27) [158124] QRP to the Field
by Rick McKee <kc8aon@juno.com>
- 28) [158125] NE602 Brainstorm (?)
by Fran Flynn <fflynn@adelphia.net>
- 29) [158126] FS: FT-817 QRP Package
by "NZ8J" <nz8j@woh.rr.com>
- 30) [158127] MFJ 259B
by "George, W5YR" <w5yr@att.net>
- 31) [158128] For Sale Buddipole System
by "n3drk" <n3drk@triad.rr.com>
- 32) [158129] Re: NE602 Brainstorm (?)
by "Leon Heller" <leon_heller@hotmail.com>
- 33) [158130] Re: NE602 Brainstorm (?)
by Curt Milton <wb8yyy@yahoo.com>
- 34) [158131] Johnson Crystal Filter
by "N4LGH" <n4lgh@waveguide.us>
- 35) [158132] RE: NE602 Brainstorm (?)
by "Sverre Holm" <la3za@qsl.net>
- 36) [158133] DOS control program for AD9850 DDS
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 37) [158134] Re:%20WTB:%20Small%20magnetic%20loop
by "Adam Vazquez Kb2Jpd" <adam.vazquez.kb2jpd@earthlink.net>
- 38) [158135] QRP Afield- K1SWL
by "Dave Benson" <nn1g@earthlink.net>
- 39) [158136] Re: NE602 Brainstorm (?)
by "Chris Trask" <chistrask@earthlink.net>
- 40) [158137] Re: NE602 Brainstorm (?)
by Fran Flynn <fflynn@adelphia.net>
- 41) [158138] where's all the piggies
by "Jerry Ford" <benlightnd13@mchsi.com>
- 42) [158139] Very first MQFD !
by Rick McKee <kc8aon@juno.com>
- 43) [158140] FS: new freqmite - found in my parts box

by "Tim" <nz7c@cox.net>

Date: Sat, 20 Sep 2003 17:25:21 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "qrp-l" <qrp-l@Lehigh.EDU>, <elecraft@mailman.qth.net>
Cc: "Dick Housden, W0NTA" <w0nta@arrl.net>
Subject: [158098] QRP Afield the story in pictures....
Message-ID: <009c01c37fce\$769eb950\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<http://www.frii.com/~rwc/qrpa/>

(~3Mb caution dial-up users)

73, Rod N0RC

Date: Sat, 20 Sep 2003 19:32:59 -0400
From: "Ron Polityka" <wb3aal@verizon.net>
To: ".QRP-L" <qrp-l@Lehigh.EDU>
Subject: [158099] AT in PA Sunday
Message-ID: <003601c37fcf\$8fb7c890\$0200a8c0@WB3AAL>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Well I made the repairs to my K1 last night and made my alignment today. The K1 is all set to go back out on the Appalachian Trail Sunday morning. My 20 meter crystal on the four band board went north with Hurricane Isabel. :-)

Look for me on the AT in PA near Strausstown. I will be north of the town off of Rte. 183 testing out my K1 with a modified WA3WSJ's (VBWFPA) vertical. VBWFPA stands for Vertical Black Widow Fishing Pole Antenna. I will be doing some testing with this modified version on 40, 30, 20 & 15 meters. With the bands in being so bad I am not sure which bands I will be on due to propagation. The Solar X-rays are Active with the Geomagnetic

Field in the Storm mode. I will be on 15 meters at 15:00 UTC. Today I hear some activity on 21.056 MHz from California, so give a listen for me.

I should be on the air around 13:00 UTC. Look around 7.042, 10.110, 14.062 and 21.062 MHz. I plan on packing up around 15:30 UTC.

Hope the propagation picks up.

72 and Thanks,
Ron Polityka
WB3AAL
www.n3epa.org/

Date: Sat, 20 Sep 2003 20:00:08 -0400
From: "George Osier" <gosier@twcnny.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [158100] SELL OR TRADE CENTURY 22
Message-ID: <003701c37fd3\$523778e0\$74883a18@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello !!

I have a Century 22 with 226 calibrator and keyer and looking to trade for a Argosy 525D or a Argo 556 ...

226 calibrator is mounted in the radio but the connecting cord is not the right one (TT is sending me connectors to build one)

Keyer is in box and new , not installed

C22 is in excellent condx and working well !!!

Reason for selling :

Rig is working great but Im having a tough time getting used to DC recieving
\$300.00 plus \$10.00 ship

Thanks !!!!

72s

George Osier , N2JNZ

PS Also a Scout in good condx !!!!!!!

Date: Sat, 20 Sep 2003 20:06:33 -0400
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [158101] Norcal 49er Stuff SOLD
Message-ID: <Law9-0E29AAzSW9kvxs0000b1fa@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the replies.

----- Original Message -----
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, September 20, 2003 5:36 PM
Subject: FS: Norcal 49er Stuff

> Doing a little cleaning up here and found the following Norcal 49er
> assortment:
>
> - 49er complete, built up, think it had a problem, don't remember
> - 49er incomplete, about half the parts are there, no xtal, but the ICs
are
> there
> - 49er board, Rev. B, unused, no parts
>
> Good project for somebody - \$25 shipped
>
> Alan, N3BJ
> Bent Mountain, VA
>

Date: Sat, 20 Sep 2003 16:09:05 -0800
From: Jim Larsen <JimLarsen2002@alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [158102] Alaska is going nuts - Props and weather

Message-ID: <3F6CEC21.8030105@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

It is snowing like crazy here in Anchorage at 0000z. I told my wife, don't worry, the snow won't stick. It's sticking and the temps went down 5 degrees the last 90 minutes. I could understand snow if we lived at high altitude but we are at 330 feet ASL. I guess if the bad propagation can stick, so can the snow. :-)

73, Jim

--

Jim Larsen, AL7FS
Anchorage, Alaska
<http://www.qsl.net/al7fs>

Date: Sat, 20 Sep 2003 20:35:39 -0400
From: "John Sielke" <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [158103] Re: QRP Afield the story in pictures....
Message-ID: <3F6CBA1B.9239.5D47780@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Looks like I felt! I'll get a couple pictures up tomorrow, right now, just putting ointment on the mosquito bites.....

Also, picnic benches are HARD! Thought often of that commercial "Should have used Preparation H...."

John W2AGN

Date: Sat, 20 Sep 2003 20:19:23 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [158104] QRP AFIELD
Message-ID: <3.0.6.32.20030920201923.007d5df0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, I gave it a shot.

Got my usual late start at noon and took longer than expected to get to the top of Star King (3900 ft, 2.6 miles - if you can believe the sign!) and wasn't on the air until 5 pm. Apparently, everyone had shut down by then, cuz I didn't hear squat! Couple of anemic signals on 20, nobody calling CQ AF or what ever, same on 40. I called CQ AF on 40 for a bit, made one contact with a W2 who apparently wasn't in the contest, so guess my marginal antenna in the scrub pines at the top of the mountain did sort of work.

About 5:30, decided my nice camp site was a bit exposed if the cold front they've been promising for today finally decided to blow in overnight. Figured I had just enough daylight left to pack it all in and run back down to the car. So, that's what I did and made it to the car just a few moments before I couldn't see my feet any longer.

Maybe I abandoned camp a little early and could've worked some gray line stuff, but it really didn't seem like it was going to amount to anything. Oh well, that's the way it goes around here!

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sat, 20 Sep 2003 17:56:54 -0700
From: "Laurent C. Lafond" <aa1qj@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [158105] Re: [Re: Antenna restrictions]
Message-ID: <3F6CF756.6020504@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hi Again,

Would like to thank all who gave some feedback.

It seems that PRB-1, which was the original ruling has been changed/modified considerably from its original draft.

It's true what they say. You can't trust the government to do anything right, and if they do, as soon as they realize it, they

change it.

Can't understand why ARRL didn't come to that hams' defense, as that is defined within the ARRL Website Pages.

Tnx agn,
Laurent
aa1qj@earthlink.net

Date: Sat, 20 Sep 2003 20:32:57 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "QRP-L Distribute" <qrp-l@Lehigh.EDU>
Subject: [158106] Re: WTB: Small magnetic loop
Message-ID: <002301c37fe0\$49efa5b0\$d237a6d8@MAIN>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

As they say, "your mileage may vary".

I've often used my loops indoors and I have had good success. Of course it has always been in a wood framed structure and not a metal framed one. Yes, they probably couple well into the wiring at times yet I'm still usually able to get a useful null, even enough to null out a computer monitor 10' feet away. I've worked into Europe many times at QRP levels with my loop 8" from the floor (ground floor) before I got my outside antennas up. All of this was on 20m with a 3 foot diameter loop.

An outside antenna will always work better but sometimes you just have to what you gotta do.

In any case, I don't think any of us answered Alan's question as to where he can buy one.

73,
Steve Yates - AA5TB
<http://www.qsl.net/aa5tb/loop.html>

Date: Sat, 20 Sep 2003 19:55:39 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Cc: "NORM KLIEMAN" <k9nk@msn.com>
Subject: [158107] FS FT-817 PAckage
Message-ID: <017301c37fe3\$75d7b340\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Posting for a friend, see below.

Price is \$840 plus shipping.

Reply direct to Norm please k9nk@msn.com

----- Original Message -----

From: "NORM KLIEMAN" <k9nk@msn.com>

...

FT-817 with CW filter -- Mint

Toyko Hi-Power HL-50B - 50 watt amp for FT-817 - Mint

Power Port Battery Pack for Ft-817 - Mint

Power Port - Carrying Bag for FT-817 - Mint

Mini - Microphone for Ft-817 - Mint

Big Thanks!! ---- Norm K9NK k9nk@msn.com

Date: Sun, 21 Sep 2003 02:01:51 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [158108] [Parts]: MPSA42/92

Message-ID: <Law9-F1091S18AhniSu00018421@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Anyone have some MPSA92 that they want to swap for some MPSA42 or other parts? I've got over a 1000 of Motorola MPSA42 300V NPN transistors here. SMD format also considered.

In other matters, anyone know anything about these old germanium parts?:

2N600 PNP (RF?) transistor

1N93 rectifier

TNX,

Brad

Instant message during games with MSN Messenger 6.0. Download it now FREE!
<http://msnmessenger-download.com>

Date: Sat, 20 Sep 2003 23:03:36 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [158109] Re: Logbook of the World
Message-ID: <3F6D1508.8485718@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Dennis,

Dennis Ponsness wrote:

>

> I am confused here, just what "private data" is requested when you sign up
> with LoTW???

It's not about the data you provide when you sign up, it's about the log data. I can assure you that my log is not public record, not matter how the same data could be obtained. Once I submit log data to the database, I lose control over it. That's not necessarily bad, but its use and possible sharing with third parties should be disclosed.

> Heck, they didn't even ask if I was an

> ARRL member...

Why would that be, you think?

73,

--Alex KR1ST

Date: Sat, 20 Sep 2003 21:15:17 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Cc: "Steve Galchutt" <n0tu@codenet.net>
Subject: [158110] QRP Afield: N0TU and NK0E tag-team
Message-ID: <001501c37fee\$9564efb0\$6801a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Gang,

As is becoming tradition, Steve N0TU and I hoofed it up Mt. Herman today to play radio in the QRP Afield event. For a change, we weren't planning any camping, so the heavy packs were left behind in favor of lighter day packs. Boy, did that ever make a difference in the climb up the mountain! I can't remember the last time I got up to the top of Mt. Herman without feeling gassed.

Anyway, we scouted for some different operating positions that would afford both a convenient location for hanging antennas and a great view. Finally we found a couple spots on the south end of the ridgeline and soon after we were set up and ready to operate. We both brought our K1's and half-size G5RVs. I hung mine in a handy tree, while Steve propped his up with a 33' telescoping mast. I was reminded of the Marines on Iwo Jima planting the flag as we struggled in a stiff breeze to get his mast up in the air without fouling the antenna lines on all the grabby little brush that lurks in the forest. Finally we both had our antennas ready around 1600Z, and soon we were on the air.

Steve gave me the go-ahead to start on 20m while he checked out 40m. I was disappointed in the signals I found. WQ1RP and WQ4RP were there, but I couldn't hear much else. Until I worked those guys, I wasn't even sure that the contest had started yet! I heard a whisper that was W2AGN, but we couldn't connect (caught him later, though). QSB was really deep. But at the same time I was hearing other signals that practically knocked me over. Of course, they weren't playing in the contest...

So, I worked a couple contacts while Steve found nada on 40m. I gave him the nod (tag!) and he switched over to 20 and bagged pretty-much the same contacts that I found. I took a break and ate a sandwich while I enjoyed the scenery. Then Steve ran out of stations to work, so (tag!) I took over and worked a few more. We continued to tag off, taking turns working the few stations we could find. Our logs were almost identical! I snooped around on 15 and 40 a few times, but I didn't work any stations on those bands.

Steve spent his off time practicing his harmonica. He's been dragging his harmonica along all year, to QRPTTF, Field Day, and now QRP Afield. I must say, he's sounded better with every event! Makes for strange QRM, though...

Finally, around 2100z we knocked off, packed up and hiked back down the trail. I had a whopping 25 QSOs, and I think Steve had 20. It was an odd day on the bands. The signals weren't bad where you could find them. There just weren't enough...

73 de Dave NK0E

Date: Sat, 20 Sep 2003 23:29:50 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [158111] Re: Logbook of the World
Message-ID: <3F6D1B2E.9AFC4B2E@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nick Kennedy wrote:

> Does that make the LOTW a bad thing? A sinister conspiracy?

I don't subscribe to conspiracy theories. No the LotW is not a bad thing at all. It's too bad that if one brings up an issue that is of concern to someone it is immediately dismissed without a second thought, turned into an argument, or attack, or all of the above. Obviously, I'm talking about the log data (when I made acontact with whom, how often etc., etc.).

Since the FCC does not require anyone to keep a log, _my_ log data is not public record, regardless of the fact that the data could be (somewhat) reconstructed from other sources (other ham's logs). It still is data that _I_ provide. I would like to see a formal statement as to what happens to it. Just as with contests, the success of the LotW depends on participation. If I were the ARRL I would do everything

possible to make prospective participants as comfortable with it as possible.

Another thing to think about is that in certain cases the data collected by the ARRL could be made available to proceedings by court order. I know, we have nothing to hide.

Anyway, apparently the ARRL is about to fix this. So it may be a moot point already. I'm looking forward to reading the privacy and disclosure statement.

73,
--Alex KR1ST

Date: Sat, 20 Sep 2003 23:40:01 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [158112] Re: Logbook of the World
Message-ID: <3F6D1D91.DFA71944@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Al AE2T wrote:

> So keep on arguing in favor of traditional paper QSL cards. You're
> absolutely right. And those in favor of electronic verification of
> QSOs for awards purposes may keep on arguing the merits of that. They
> are absolutely right too. You see, you are both arguing about two
> different things, not two sides of the same thing. You are both
> right. You're just different kinds of fishermen.

Why is it that if folks express a preference, it is seen as an argument? As I see it, no one is arguing anything on what we prefer, we merely express it. The LotW is a good idea, however, I prefer something else. Same with my choice of radios. The only thing actually argued by me is that I am in favor of a privacy and disclosure policy. Otherwise, there's no argument.

73,
--Alex KR1ST

Date: Sun, 21 Sep 2003 04:34:21 -0700 (PDT)
From: Jim Cluett <w1pid@yahoo.com>

To: qrp-1@lehigh.edu
Subject: [158113] QRP Afield W1PID
Message-ID: <20030921113421.72509.qmail@web11601.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Surprise guests this weekend put a damper on
QRP Afield. But I hatched a plan that worked...
partially. I packed everyone up in two cars
with bicycles at 4:00 pm and headed to my favorite
trail
along the Pemigewasset River. I had 2 DSWs,
a ZM-2 and a 44 foot center fed dipole with
twin-lead. The mosquitoes were wretched.
Right off I worked K7RE in Wyoming on 20.
(Yikes, it was Bob N4BP at the key.) That was it...
didn't hear a lot else. Switched to 40. Nothing.
Mosquitoes. bite. bite. Everyone wants out-a
there. So I pack up.
At home in the evening from the home station I
worked 2 Qs on 80 and 2 on 40.
K1CL, WA1GWH, WQ1RP, NS1E.
See you next year... Jim W1PID

Do you Yahoo!?
Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Sun, 21 Sep 2003 08:34:49 -0400
From: "Mike Czuhajewski" <wa8mcq@comcast.net>
To: <qrp-1@lehigh.edu>
Cc: "Mike Czuhajewski" <wa8mcq@comcast.net>
Subject: [158114] Re: ZIFF sockets
Message-ID: <001501c3803c\$c04d7280\$6400a8c0@gambr101.md.comcast.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

DigiKey has them, too.

Date: Sun, 21 Sep 2003 08:47:48 -0400

From: John Sielke <jsielke@pobox.com>
To: qrp-1@lehigh.edu
Subject: [158115] Re: Logbook of the World
Message-ID: <3F6D9DF4.2040309@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

>

>

>Since the FCC does not require anyone to keep a log, _my_ log data is
>not public record, regardless of the fact that the data could be
>(somewhat) reconstructed from other sources (other ham's logs). It still
>is data that _I_ provide. I would like to see a formal statement as to
>what happens to it. Just as with contests, the success of the LotW
>depends on participation. If I were the ARRL I would do everything
>possible to make prospective participants as comfortable with it as
>possible.

>

Wow, I hadn't thought about it. They could find out if you have been
talking to the Al-Queda Club Station. Even those old QSOs with JY1 look
suspicious. After all, his name was Hussein!

Anyone know if Osama bin-laden is a ham?

John W2AGN (Just because you're paranoid doesn't mean they're not out to
get you)

Date: Sun, 21 Sep 2003 10:15:27 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: John Sielke <jsielke@pobox.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [158116] Re: Logbook of the World
Message-ID: <20030921101118.K55473-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 21 Sep 2003, John Sielke wrote:

John didn't write:

> >depends on participation. If I were the ARRL I would do everything
> >possible to make prospective participants as comfortable with it as

> >possible.

> >

>

But, he did say:

>

> Wow, I hadn't thought about it. They could find out if you have been
> talking to the Al-Queda Club Station. Even those old QSOs with JY1 look
> suspicious. After all, his name was Hussein!

Even worse, there's a "slip up" and your information and that of all your
contacts gets mailed to everyone with an @arrl address

>

> Anyone know if Osama bin-laden is a ham?

Don't think that works with the dietary laws.

>

> John W2AGN (Just because you're paranoid doesn't mean they're not out to
> get you)

also stated as, "If you hear footsteps behind you, they are most likely
footsteps."

Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>
<http://www.tlchost.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring and DrakeList
Web Hosting as low as \$3.49/month

Date: Sun, 21 Sep 2003 11:12:24 -0400
From: "sslyon" <sslyon@megalink.net>
To: "qrp list" <qrp-l@lehigh.edu>
Subject: [158117] "QRP Afield Feeds Flying Blood Suckers"
Message-ID: <002f01c38052\$c5403960\$41c7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Sept. 2003 QRP Afield could qualify for a mil-spec survival course here.
Full roster of nasties including rain, mud, unprecedented mosquito & black fly

populations, heat/humidity, then cold -and short rations. Oh... the hostile fire was missing. The weather station lied -was supposed to clear around noon. It didn't 'til after 6:00PM.

Took the truck up the end of the trail in time to hike to the site and get set up and on by 3:00PM 'til 9:00PM. Rain persisted tho, and the cab/windows were steaming up like a teenybopper make out session. Flying leeches were too dense to open windows for vent. Had to retreat and pitch a tent in a clearing just up the hill in back of my place. Had it's benefits tho... trees for my 130' c.f. at 55' :)

Got on the air, thoroughly bitten, by 4:30PM local and thought my feed line was biffed. Heard only a few weakies on 20m -but they were all 5's, 6's & 7's. They seemed to peak thru the noise then disappear forever. Worked KI6DS hizdangself at e.s.p. levels, along with WQ6RP and a few of the usual suspects out west. K7RE/7 was singularly strong. I worked for approx. 4 hrs for possibly 50 Q's -if I can ever make sense of the wet/ripped log sheets. High point was 8P6BX @4W in Barbados. Nice visual images while shivering in wet clothes. No rum in the house when I got back at 9:30PM : (

My timing strategy was a 6-hr straddle of gray-line prop rather than the full 12 hrs. Still think that's the way to go. Bottom line: QRP Afield was a real work-out and definitely a summer counterpoint to FYBO, which is also "very interesting" here above Lat. 44. Next year will be better, ja?

72

seab
aa1my

Date: Sun, 21 Sep 2003 15:12:56 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [158118] Re: Logbook of the World
Message-ID: <LAW11-F1261Fjxe0ymQ000007638@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

> > John W2AGN (Just because you're paranoid doesn't mean they're not out to
> > get you)
>
>also stated as, "If you hear footsteps behind you, they are most likely
>footsteps."
>
>Thom

Wasn't it Henry Kissinger that said. "Even paranoids have enemies..."

72 es oo

Dennis - WB0WAO

EN84ij Iosco County, Michigan
MultiPig+ #3 - K2 #3555
DSW-II-20 - SW-40+ - SW-30+
RM-20 - RM-40

NJQRP #329 - FPQRP #-347 - SOC #499
GACW #622 - ARS #1363 - QRP Canada #248
FISTS # 9299
Charter Member - Michigan DX Association
www.qsl.net/wb0wao
:=)

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Date: Sun, 21 Sep 2003 15:22:26 +0000
From: "Bill Rowlett" <kc4atu@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [158119] Re: Logbook of the World
Message-ID: <Law15-F94YrVjYKtWfN0001d823@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I think I,m with you on this one John, but than I am the old Art Major who
went to art school in the late sixties. Yes, long hair, beads and the whole
nine yards. So people, CHILL. Life is too short and many things are far more
important than your log data. Like, who cares?

73, Bill kc4atu

Now where is that waterpipe?

Add MSN 8 Internet Software to your existing Internet access and enjoy
patented spam protection and more. Sign up now!
<http://join.msn.com/?page=dept/byoa>

Date: Sun, 21 Sep 2003 11:44:44 -0400
From: John Sielke <jsielke@pobox.com>
To: qrp-1@lehigh.edu
Subject: [158120] QRP Afield Pictures
Message-ID: <3F6DC76C.10007@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

After hearing from others, I guess I had a really idyllic QRP Afield. Of course, my old stogy helps keep the bugs away ;-)

There are a couple pictures here: <http://w2agn.net/AFLD03.html>

John W2AGN

Date: Sun, 21 Sep 2003 12:05:05 -0400
From: Jack e wigal <kr8z1@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [158121] Polarized Power Connector
Message-ID: <20030921.120505.-782743.0.kr8z1@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Can someone give me the name of the DC connector furnished with Icom IC-2100H? Radio Shack don't have em, and I don't know what to order.
Tnx, Jack, kr8z

Date: Sun, 21 Sep 2003 10:15:44 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <kr8z1@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [158122] Re: Polarized Power Connector
Message-ID: <001101c3805b\$9c61cbe0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Jack,

PowerWerx has a nice assortment, some with inline fuses. Start at:

<http://www.powerwerx.com>

73, Rod N0RC

----- Original Message -----

From: "Jack e wigal" <kr8z1@juno.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Sunday, September 21, 2003 10:05 AM

Subject: Polarized Power Connector

> Can someone give me the name of the DC connector furnished with Icom
> IC-2100H? Radio Shack don't have em, and I don't know what to order.
> Tnx, Jack, kr8z
>
>

Date: Sun, 21 Sep 2003 12:15:39 -0400

From: "John J. McDonough" <wb8rcr@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [158123] Re: QRP Afield Pictures

Message-ID: <005601c3805b\$99adf680\$080044c0@BrianBoru>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Gee, John. My lashup looked a lot like yours, Palm, Serial Sender, K1. But, I didn't make nearly as many contacts since I was at the local radio club picnic, and spent way more time socializing than operating. It was the first time I actually used GoLog for real, and it was also the first time I actually used the SuperAntennas rotatable dipole I won at FIDM in the field. In fact, since FIDM I've had precious little time to do any operating.

Still, it was a nice day, even if I had few QSOs to show for it. I took quite a few pictures, and I'll prolly put them up on the club website later today, but few of my operating position, mostly pix of the local folks.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>

didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "John Sielke" <jsielke@pobox.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Sunday, September 21, 2003 11:44 AM

Subject: QRP Afield Pictures

> After hearing from others, I guess I had a really idyllic QRP Afield. Of
> course, my old stogy helps keep the bugs away ;-)

>

> There are a couple pictures here: <http://w2agn.net/AFLD03.html>

>

> John W2AGN

>

>

Date: Sun, 21 Sep 2003 12:18:12 -0400

From: Rick McKee <kc8aon@juno.com>

To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU

Subject: [158124] QRP to the Field

Message-ID: <20030921.122520.9342.0.kc8aon@juno.com>

Wasn't able to get out into the wilds this time due to babysitting the little grandson. But the Portsmouth Ohio Amateur Radio Club is doing a Tailgate Swap Around Party on the 27th which is the last Saturday of this month and the same day that the Monthly QRP Field Day (MQFD) takes place.

The plan is to take my Yaesu FT-7 10 watt SSB/CW rig along with the PAC-12 antenna, and basically do a QRP demo while there ! Will most likely do 20 and 40 meter (only coils I have for the PAC-12) ssb most of the time due to a lot of the members not being CW operators. The PAC-12 will be on top of the car on a mag mount to get it up out of the way with the car as a counterpoise. I built my PAC-12 to screw into a standard 3/8" x 24 thread mount which makes it fairly versatile. My hopes while there is to introduce more folks into QRP, and to promote MQFD. Hope to work some of you while there. Later this week, I'll try and remember to post frequencies to monitor on the list.

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl

SW 40+, SW-20+, Norcal BLT, Norcal Cascade, Yaesu FT-7,

Homebrew 6V6 tube TX & Hallicrafters SW500 RX

QRP-L #2112, FPqrp #33, AR QRP, AmQRP, Ohio Valley Fists

I'll give up CW when I'm dead ! MAYBE !

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 21 Sep 2003 13:18:08 -0400
From: Fran Flynn <fflynn@adelphia.net>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [158125] NE602 Brainstorm (?)
Message-ID: <3F6DDD50.2000807@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

The NE602/612 mixer IC is used in a lot of qrp designs as a receive mixer and product detector, but one of the problems with it is poor dynamic range due to its low current draw design. So, the idea is... why not stack 2 or 3 of them and possibly adjust some of the component values (resistors) around the mixer to increase the current draw and possibly also lower the tendency to overload in use as a front end for a receiver?

By stacking, I mean just parallel all the pins, literally physically "stacking" the IC's on top of each other. It seems like a cheap and easy way to get a front end that performs better than just one chip would.

Does this idea have some merit or is it just an erroneous brain bubble?

Thanks,

Fran km1z

Date: Sun, 21 Sep 2003 13:23:19 -0400
From: "NZ8J" <nz8j@woh.rr.com>
To: <qrp-1@Lehigh.EDU>
Subject: [158126] FS: FT-817 QRP Package
Message-ID: <013b01c38065\$0cf85780\$6400a8c0@NZ8J>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All in excellent condition

Yaesu FT-817 with 500hz CW Filter
Internal battery pack
Small MFJ switching supply for 817
W4RT "one touch tune" (OTT) can be used with a Z-11 QRP auto tuner
Oak Hills Research WM-2 wattmeter
Yaesu owners manual, VE3AYR "Pack-it" reference manual, N6FN "Nifty Mini-Manual", and W7YEN laminated "quick reference sheet" Box, Mic, 2 power cords. Do not have the rubber ducky ants for the 817. Found that the controls are too small for my liking. Will ship first class mail and insure in the lower 48 for \$585. Thanks
Tim
NZ8J

Date: Sun, 21 Sep 2003 12:38:39 -0500
From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [158127] MFJ 259B
Message-ID: <009101c38067\$3242c7d0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone have a new or like new 259B they are interested in selling or trading? Must be a recent model with all the current features.

Thanks.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"Starting the 58th year and it just keeps getting better!"
w5yr@att.net

Date: Sun, 21 Sep 2003 14:11:29 -0400
From: "n3drk" <n3drk@triad.rr.com>
To: <forsale-swap@mailman.qth.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [158128] For Sale Buddipole System
Message-ID: <042c01c3806b\$c7f87230\$6400a8c0@n3drk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I have for sale a complete buddipole system. I have used it on two occasions and it is in excellent condition. I have the buddipole, rotating arm kit, center tee adapter, 2 extra stainless steel telescoping whips making a total of 4, 25 feet coax with bnc connector, and the buddipole tripod. Any reasonable offer considered. Buyer pays shipping and handling.

n3drk-john

Date: Sun, 21 Sep 2003 18:22:43 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: fflynn@adelphia.net, qrp-1@Lehigh.EDU
Subject: [158129] Re: NE602 Brainstorm (?)
Message-ID: <Law15-F847VwUMFjo7G000288a8@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: Fran Flynn <fflynn@adelphia.net>
>Reply-To: fflynn@adelphia.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: NE602 Brainstorm (?)
>Date: Sun, 21 Sep 2003 13:18:08 -0400
>

>The NE602/612 mixer IC is used in a lot of qrp designs as a receive mixer
>and product detector,
>but one of the problems with it is poor dynamic range due to its low
>current draw design. So, the idea is... why not stack 2 or 3 of them and
>possibly adjust some of the component
>values (resistors) around the mixer to increase the current draw and
>possibly also lower the
>tendency to overload in use as a front end for a receiver?
>
>By stacking, I mean just parallel all the pins, literally physically
>"stacking" the IC's on
>top of each other. It seems like a cheap and easy way to get a front end
>that performs
>better than just one chip would.
>
>Does this idea have some merit or is it just an erroneous brain bubble?

I don't see how that would improve things. A better device, like a diode
DBM, would be much easier to use and perform a lot better.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 423947

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

Get Hotmail on your mobile phone <http://www.msn.co.uk/msnmobile>

Date: Sun, 21 Sep 2003 11:30:53 -0700 (PDT)
From: Curt Milton <wb8yyy@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [158130] Re: NE602 Brainstorm (?)
Message-ID: <20030921183053.71716.qmail@web21411.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Fran - nice idea! keep thinking!

(1) paralleling two with proper RF combining circuitry
could improve its large signal characteristics by 3
dB. however, this would take enough external
components to make you think about using a diode mixer
instead! also a 3 dB improvement isn't a lot. but do
note many commercial mixers do use paralleling

techniques to boost performance.

(2) a mixer large signal characteristics is more determined by the mixer devices itself (in this case the biased transistors that make up the mixer) - so changing the externals would have a minimal effect.

lot's of research continues to go into higher performance mixers while working to minimize power consumption - but don't expect any miracles here! better large signal immunity in a mixer does require high power consumption.

curt wb8yyy

```
--- Fran Flynn <fflynn@adelphia.net> wrote:
> The NE602/612 mixer IC is used in a lot of qrp
> designs as a receive
> mixer and product detector,
> but one of the problems with it is poor dynamic
> range due to its low
> current draw design.
> So, the idea is... why not stack 2 or 3 of them and
> possibly adjust
> some of the component
> values (resistors) around the mixer to increase the
> current draw and
> possibly also lower the
> tendency to overload in use as a front end for a
> receiver?
>
> By stacking, I mean just parallel all the pins,
> literally physically
> "stacking" the IC's on
> top of each other. It seems like a cheap and easy
> way to get a front
> end that performs
> better than just one chip would.
>
> Does this idea have some merit or is it just an
> erroneous brain bubble?
>
> Thanks,
>
> Fran km1z
>
>
```

>
>
>

Do you Yahoo!?
Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Sun, 21 Sep 2003 11:33:36 -0700
From: "N4LGH" <n4lgh@waveguide.us>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [158131] Johnson Crystal Filter
Message-ID: <005601c3806e\$def8a1a0\$6701a8c0@cfl.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Make me an offer -

It's blue, has three pins and two bolts on the bottom. Says the
following on top -

E. F. Johnson
CF - 10.7 MHZ BW - 13 KC
532 - 003 - 001 7237

Off list only
Tracy N4LGH

Date: Sun, 21 Sep 2003 21:13:24 +0200
From: "Sverre Holm" <la3za@qsl.net>
To: <fflynn@adelphia.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [158132] RE: NE602 Brainstorm (?)
Message-ID: <000101c38074\$6eb5dd80\$8e00a8c0@Master>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"

Content-Transfer-Encoding: 7bit

As an alternative to 602 mixers, I would also look at Fet mixers, like those based on the 74HC4053 or the slightly inferior 74HC4066, see e.g. the web page of KD1JV, <http://www.qsl.net/kd1jv/>.

They offer a large dynamic range without excessive need for local oscillator power as they are more driven by voltage compared to a diode mixer. Unfortunately, they will not work into the VHF range like the 602, but will cover a large part of the HF bands.

--

73,
Sverre

Sverre Holm, LA3ZA
www.qsl.net/la3za

Date: Sun, 21 Sep 2003 14:36:56 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [158133] DOS control program for AD9850 DDS
Message-ID: <011301c38088\$7b436db0\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I like these DDS projects enough that I built both Trevor's deluxe model and NJQRP's bare bones unit. Bare meaning it doesn't have a controller to send it frequency information, although you can choose from a growing list on the NJQRP page.

I thought it might be fun to dust off an old DOS program I did ten years ago for an early DDS. A fair number of changes were necessary due to the differences between the two synthesizers. I still have some more converting to do, but most features seem to be working in this beat reincarnation. Maybe there are some others like me who hold on to an old DOS box or two for hardware hacking purposes. If so, my program is free for download from my page. I spent a lot of hobby time on this thing way back when, and tried to

incorporate all the fancy bells and whistles of transceivers then out of my reach.

<<http://www.cox-internet.com/wa5bdu/>>

Go down to the ham radio section and you'll find links among the haphazardly arranged descriptions of various projects and downloads. There's a link for the program (a 16k COM file) and another one for a text file with a brief description.

I'm going to paste in that text file below. Sorry it makes this message a little on the long side, but I figure folks will want to know the program is before they click on yet another download.

72--Nick, WA5BDU

These notes describe a DOS control program for an AD9850 frequency synthesizer using serial input. It is a reworking of a program I did about ten years ago. Not all of the features of the original are applicable to this synthesizer, and not all are functioning at this time in this early release. The description below is of features currently implemented.

Hardware:

Serial or parallel port control allowed. Parallel port is recommended because it is at TTL levels and doesn't require level translation.

Program use and features:

Frequency control may be done by use of the UP & DOWN arrow keys or by direct keyboard entry. When adjustment is by the arrow keys, the current step is used. Steps of 1, 5, 10, 50, 100, 500 and 1000 Hertz are selectable. Step size is increased with the Right Arrow key and decreased with CONTROL-Right Arrow.

There's a Memo memory. ^-M stores the current main register into this memory and ^-S swaps the main and memo registers, thus putting the stored frequency into the synthesizer.

There's also a bank of 16 additional memories. PG-DN enters the memory mode. Arrow up and down keys select

memories. Arrow-Right stores the current main register into the selected memory. Arrow left moves the selected memory to the main register and quits the memory mode. PG-UP quits the memory mode without changing the main register. Each memory has a free text field where you can record the reason you recorded this frequency, such as a net, calling frequency, or DX call heard.

There's a SCAN function for the memory mode, started by pressing S. Speed of the scan is adjustable. Individual memories may be locked out of scan.

In addition to memory scan, there's also a band scan function. You set the high and low limits and begin the scan, which repeats continuously. The frequency step is as you selected previously and the scan rate is adjustable during the scan with the arrow keys.

There's a main help screen accessed with F1 giving all main command keys, plus mini-help screens according to context. There's also a "hardware" screen giving the connector pins to use for serial or parallel control.

All registers--main, memo, scan limits, and 16 memories, are visible on screen at all times.

STUFF NOT UPDATED OR VERIFIED YET:

RIT and XIT control. This program was originally written for a synthesizer that had two frequency registers, so the program could load them both independently. The AD9850 doesn't have this. However, I still want to implement something similar even though loading in the 40 bits may take a little too long for QSK T/R swapping. The idea would be to have a separate T/R status line to the port (serial or parallel) and when the program senses that the 'T' line has been asserted, it will immediately load TX frequency data.

BAND functions. The program was originally written for a limited synthesizer that tuned 5.0 to 5.5 MHz for use with a heterodyne type rig. The program contained offsets for each band and would display the equivalent transceiver transmit and receive frequencies. Not functional for the AD9850 synthesizer yet. But since the AD9850 has a wide range, just keep it in the VFO mode and select any frequency. The ability to adjust for a heterodyne type rig may still be useful, so I want to update it eventually.

Also, the program has the ability to use a rotary encoder (which I called "analog knob") and I haven't tested that on the new synth either.

Oh yeah--fairly important. I just remembered that Trevor's version uses a faster clock, so I need to program in a switch for that. (There are various ways of multiplying a frequency by 2^{32} and then dividing that by 100,000,000 and the method I used is probably a little rigid. That's why I don't yet have a calibrate routine. I'll probably have to change my math method yet again.)

Your mileage may vary. Void where prohibited. Don't take your computer into the bathtub with you. No user serviceable parts. May cause diarrhea, constipation, sexual side effects, anxiety, sweaty palms, fear of anything new, insomnia. Don't use for life support.

Date: Sun, 21 Sep 2003 15:34:00 -0400
From: "Adam Vazquez Kb2Jpd" <adam.vazquez.kb2jpd@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [158134] Re:%20WTB:%20Small%20magnetic%20loop
Message-ID: <E1A19yo-0004oq-00@stork.mail.pas.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"
Content-Transfer-Encoding: 8bit

Hello there from Adam Kb2jpd

You can make or purchase a suitable magnetic loop but the RF energy may still get into your neighbor's television. There are quite a few designs available and they are fun to build. Use the www.google.com search engine for magnetic loop antenna.

BTW, The high Q of the antenna will clean up some of the harmonic energy but I think if you could give up more details regarding the type of interference your neighbor states you are causing you could solve the problem to both your benefits.

73 Adam

Date: Sun, 21 Sep 2003 15:17:42 -0700
From: "Dave Benson" <nn1g@earthlink.net>

To: <qrp-1@lehigh.edu>
Subject: [158135] QRP Afield- K1SWL
Message-ID: <006e01c3808e\$4c0ae680\$27644b43@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

gang-

Ah- the best of intentions!

I headed for my usual haunts in National Forest in VT. Despite the forecast for decent weather, the skies opened with a deluge as soon as I went off-pavement- not an auspicious start. Fortunately, it tapered off to intermittent showers fairly quickly. In between showers, and enroute to the site, I was compelled to do a little early-autumn foraging. I kept finding apple trees and along the way, several nice patches of blueberries. Suffice it to say, I spent much of the afternoon playing Euell Gibbons. I was ably assisted by our young Aussie Shephard, Moxie, who stepped on my heels as I pushed through high foliage. She amused herself by stalking and pouncing on windfalls. She shifted tactics for blueberries, flopping down directly on whichever bush I was picking from.

That diversion occupied much of the afternoon. I did finally get set up as the sun was sinking low, and worked a quick half-dozen stations on 20M. It was a treat working K7RE/7 in WY- nice to see that state activated. I'll second Jim Cluett's report about mosquitos- a bumper crop this time!

Let's see- next year: Bring rain jacket and bug spray. Leave the dog home.

73, Dave Benson, K1SWL
"I brake for apples"

Date: Sun, 21 Sep 2003 12:44:44 -0700
From: "Chris Trask" <chrisrask@earthlink.net>
To: <fflynn@adelphia.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [158136] Re: NE602 Brainstorm (?)
Message-ID: <011601c38078\$cf79c240\$8f024bab@default>
MIME-Version: 1.0


```
>
> The NE602/612 mixer IC is used in a lot of qrp designs as a receive
> mixer and product detector, but one of the problems with it is poor
> dynamic range due to its low current draw design. So, the idea is...
> why not stack 2 or 3 of them and possibly adjust some of the component
> values (resistors) around the mixer to increase the current draw and
> possibly also lower the tendency to overload in use as a front end for
> a receiver?
>
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<http://www.home.earthlink.net/~christrask/LNFBMxr1.pdf>

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        c__; c__; '...'>. _

```

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

Email: christrask@earthlink.net
<http://www.home.earthlink.net/~christrask>

Date: Sun, 21 Sep 2003 15:53:38 -0400
From: Fran Flynn <fflynn@adelphia.net>
To: qrp-l@lehigh.edu
Subject: [158137] Re: NE602 Brainstorm (?)

Message-ID: <3F6E01C2.4000004@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Thanks, that makes sense too. What I am doing is building a version of the Roy Lewellen "optimized QRP" as described in QST back in 1980 and a few of the ARRL handbooks as well. I built one once before but had problems with hum and microphonics. It uses a diode ring. I've been reading from "Experimental Methods in RF design", that this effect is mainly due to LO leakage in a direct conversion receiver.

It's an interesting concept, your local oscillator can be radiated and then detected in a direct conversion receiver. You would think that since the signal is your own LO, then the result would be no signal detected. This is not so. What if it comes back in a different phase and your antenna is blowing around in the wind so that phase is varying randomly? The detected output of the phase changed LO is DC, but if the phase changes quickly, then a different DC value results and you get a loud "pop". With your 100db or so of audio amplification, you hear all kinds of strange noises and hum from nearby power lines, power supplies, etc. I didn't understand why my DC receiver was doing such things until I read about LO leakage. It makes sense now.

The 602 has a much lower LO leakage probably due to internal buffering as compared to a diode ring mixer as used in the original "optimized". (at least in the one I built) I think the circuit using the 4053 is a variation on the diode ring. I understand that a diode ring mixer can have a very low LO leakage if constructed properly or a packaged diode ring like a TUF-1 is used, or an RF amp is between it and the antenna.

I'll look into the FET mixer idea, this might be the way to go, or a diode ring with more careful construction and consideration for LO radiation.

72, Fran Km1z

Sverre Holm wrote:

>As an alternative to 602 mixers, I would also look at Fet mixers, like
>those based on the 74HC4053 or the slightly inferior 74HC4066, see e.g.
>the web page of KD1JV, <http://www.qsl.net/kd1jv/>.
>
>They offer a large dynamic range without excessive need for local
>oscillator power as they are more driven by voltage compared to a diode
>mixer. Unfortunately, they will not work into the VHF range like the
>602, but will cover a large part of the HF bands.
>
>
>--
>73,
>Sverre
>
>-----
>Sverre Holm, LA3ZA
>www.qsl.net/la3za
>
>
>
>
>
>
>
>

Date: Sun, 21 Sep 2003 15:11:46 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>, "FPigs" <fpqrp-l@mpna.com>
Subject: [158138] where's all the piggies
Message-ID: <00a501c3807c\$957cf400\$0077da0c@mchsi.com>

Anybody around this afternoon??

looken for a little exercise on the keys.

It's 20:30z and I'm listening at the watering hole on 7.044

72 es oo Jerry N0JRN
FP # 546, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. MP + #8

Date: Sun, 21 Sep 2003 17:05:30 -0400
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [158139] Very first MQFD !
Message-ID: <20030921.170547.9342.0.kc8aon@juno.com>

Remember folks, the very first MQFD is Saturday Sept 27, 2003 - that is this coming Saturday !

How many folks plan on operating the Monthly QRP Field Day (MQFD) ?

What type of operating are you planning on doing, ragchewing or contesting ?

Below, I'll list my suggestions for MQFD again in case someone wants to add to it before Saturday.

Below are my suggestions for the Monthly QRP Field Day (MQFD). I have tried my best to make suggestions so that it will be a something for everyone event, be it casual operator, tester, field operation experimenter etc. And notice that these are merely suggestions, so feel free to add any input you might have that will enhance the events.1. Keep it legal ! All participants must have a valid Amateur Radio license to participate. All operation must be within your license class privileges, and all operation must be within one of the many Amateur Radio bands, and should only operate in the mode specific sub bands, ie: CW in the CW sub bands, SSB in the phone bands etc... Use good operating practice to enhance goodwill, in other words, respect the fact that some folks just want to operate, and some folks like to make it a contest - this way everyone can enjoy !2. All operation should be done at or below QRP power levels. This would be 5 watts and below for CW, and 10 watts and below for SSB. You digital operators can make power level suggestions for modes like PSK, RTTY, Packet etc.

All operation should be done without benefit of commercial power. Power sources such as batteries, solar panels, wind and pedal powered generators etc should be used.3. All operation should be from a field location. Qualifying field locations can be places such as mountain and hill tops, camp grounds, city parks, your back yard, your back porch, or in a cow pasture if you want ! Operation from campers, tents, picnic shelters, house boats, caves etc would all be permissible. Basically anywhere you can setup a station without benefit of commercial power would be allowed.4. Operators wishing to operate rag chew style, would simply setup a station in the manner outlined above, and operate to your hearts content. You can qso with other participants, non participants, basically anyone that carries a valid Amateur Radio license. Don't worry about how many qso's you make, just make quality conversation and have fun. And be sure and

let us all know about your setup afterwards, fill us in on interesting qso's, unique operations you had, special antennas etc etc. this way it can be a learning experience for us all. The main thing is to have fun and learn how to operate in unique situations - remember, we all may be called upon sometime to operate this way when the "GRID" is dead !5. Groups of operators wishing to compete against each other, should set up as outlined above. Each group should agree upon their own contest rules. Things like points and multipliers, contest qso exchanges, event time limits etc should be agreed upon before the event by each individual group. Groups would include 2 or more operators wishing to compete against each other, local club members wishing to compete against each other, or widespread national or DX club members wishing to compete. Contest operation could also be achieved by the ragchewers too, things like, one with the longest qso wins, most interesting qso wins (this one would have to be voted on within the respective group), most unusual setup, use your imagination ! Again, have fun and enjoy the great outdoors !6. Events would take place on the last Saturday of each month, and could run the entire 24 hours if you want, or the entire weekend for that matter. The main idea is to get out and have fun operating QRP style !Now, the rest is all up to you ! Pick your Saturday and your style of operation, pack up the gear, some hot dogs for the grill, your favorite snacks and beverages and head out into the wilds of our city parks and back yards and have some fun ! And last but not least, KEEP IT SAFE ! WATCH OUT FOR POWERLINES ! PRACTICE SAFE OPERATING ! WE DON'T WANT TO HEAR ANY TALES OF INJURIES OR WORSE NOW DO WE ? 72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rlSW 40+, SW-20+, Norcal BLT, Norcal Cascade, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RXQRP-L #2112, FPqrp #33, AR QRP AmQRPI'll give up CW when I'm dead ! MAYBE !

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Date: Sun, 21 Sep 2003 15:23:12 -0700
From: "Tim" <nz7c@cox.net>
To: <qrp-1@Lehigh.EDU>
Subject: [158140] FS: new freqmite - found in my parts box
Message-ID: <005b01c3808e\$f1b22080\$97f26a44@ph.cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just found an unopened Freqmite kit in my tool box. Send me a check that won't bounce for \$15 and I will send it to you. Needs a good home. Thanks folks :-)
73/Tim NZ7C

End of QRP-L Digest 3050

